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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/726,075	11/29/2000	Peter Gansen	64251-006	9638
7590 10/14/2003			EXAMINER	
Robert E. Muir, Esq. Husch & Eppengerger, LLC Suite 1400 401 Main Street Peoria, IL 61602-1241			COONEY, JOHN M	
			ART UNIT	PAPER NUMBER
			1711	
DATE MAILED: 10/14/2003				

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b> 09/726,075	<b>Applicant(s)</b> GANSEN ET AL.	
	<b>Examiner</b> John m Cooney	<b>Art Unit</b> 1711	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 15 September 2003.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-13 and 39-61 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-13 and 39-61 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.  
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

### Priority under 35 U.S.C. §§ 119 and 120

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  
a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                  | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s). _____  |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)         | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ | 6) <input type="checkbox"/> Other:  |

Applicant's arguments filed September 15, 2003 have been fully considered but they are not persuasive.

Rejection over Zhou et al. is withdrawn in light of the presented certified translation of the priority document.

Applicant's arguments with respect to claims 1-13 and 39-61 have been considered but are moot in view of the new ground(s) of rejection.

***Claim Rejections - 35 USC § 112***

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 48-61 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Applicants' claims are confusing as to intent because it can not be determined what components, elements, or limitations the language "the isocyanate characteristic of the reaction mixture" or "the product of the isocyanate functionality and functionality of the polyol component" are intended to be defining.

Additionally, applicants' claims (see claim 49) are confusing as to intent because it can not be determined what components, elements, or limitations the language "an isocyanate characteristic of the reaction mixture" or "a product of the isocyanate functionality and functionality of the polyol component" are intended to be defining.

Art Unit: 1711

Particularly, it can not be determined what characteristics and/or qualities are being included and/or excluded by the use of the terminology "an" and "a".

It can not be determined what qualities these limitations are defining, and the specification provides no further definition of their meaning. Explanation or correction on the record is required.

### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless —

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-13 and 39-61 are rejected under 35 U.S.C. 102(e) as being anticipated by Kenndoff et al.(5,844,013).

Kenndoff et al. disclose preparations of articles comprising adhered articles of polyurethanes and polyurethane foams which read on the articles of applicants' claims (see the entire document). The claims do not provide structural features to distinguish their molded articles, the urethane components are not defined so as to distinguish

Art Unit: 1711

over those of the reference, and the adhesive properties between the layers defined by the reference are implicit and inherent to the materials utilized.

Claims 1-13 and 39-61 are rejected under 35 U.S.C. 102(b) as being anticipated by Mueller et al.(5,543,225).

Mueller et al. disclose preparations of articles comprising adhered articles of polyurethanes and polyurethane foams which read on the articles of applicants' claims (see the entire document). The claims do not provide structural features to distinguish their molded articles, the urethane components are not defined so as to distinguish over those of the reference, and the adhesive properties between the layers defined by the reference are implicit and inherent to the materials utilized. A polyurethane need only be crosslinked to meet the definition of "gel" in the patentable sense without its definition being particularly defined by the supporting disclosure, and, hence, this component is not seen to differ from the materials disclosed by the cited reference.

Claims 1-13 and 39-61 are rejected under 35 U.S.C. 102(e) as being anticipated by Gardner, Jr.(6,013,210)

Gardner, Jr. discloses preparations of articles comprising adhered articles of polyurethanes and polyurethane foams which read on the articles of applicants' claims (see the entire document). The claims do not provide structural features to distinguish their molded articles, the urethane components are not defined so as to distinguish over those of the reference, and the adhesive properties between the layers defined by

the reference are implicit and inherent to the materials utilized. A polyurethane need only be crosslinked to meet the definition of "gel" in the patentable sense without its definition being particularly defined by the supporting disclosure, and, hence, this component is not seen to differ from the materials disclosed by the cited reference.

Claims 1-13 and 39-61 are rejected under 35 U.S.C. 102(e) as being anticipated by Madan et al.(6,294,248).

Madan et al. disclose preparations of articles comprising adhered articles of polyurethanes and polyurethane foams which read on the articles of applicants' claims (see the entire document). The claims do not provide structural features to distinguish their molded articles, the urethane components are not defined so as to distinguish over those of the reference, and the adhesive properties between the layers defined by the reference are implicit and inherent to the materials utilized. A polyurethane need only be crosslinked to meet the definition of "gel" in the patentable sense without its definition being particularly defined by the supporting disclosure, and, hence, this component is not seen to differ from the materials disclosed by the cited reference.

Claims 1-13 and 39-61 are rejected under 35 U.S.C. 102(b) as being anticipated by Burgdorfer et al.(4,456,642).

Burgdorfer et al. disclose preparations of articles comprising adhered articles of polyurethanes and polyurethane foams which read on the articles of applicants' claims (see the entire document). The claims do not provide structural features to distinguish

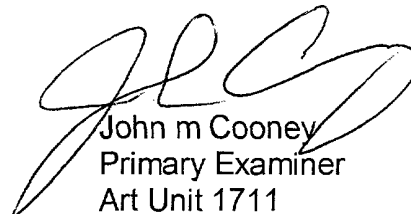
Art Unit: 1711

their molded articles, the urethane components are not defined so as to distinguish over those of the reference, and the adhesive properties between the layers defined by the reference are implicit and inherent to the materials utilized. A polyurethane need only be crosslinked to meet the definition of "gel" in the patentable sense without its definition being particularly defined by the supporting disclosure, and, hence, this component is not seen to differ from the materials disclosed by the cited reference.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Greene discloses laminated layers of polyurethanes.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to John m Cooney whose telephone number is 703-308-2433. The examiner can normally be reached on M-F from 9 to 6.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, james seidleck, can be reached on (703) 308-2462. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-306-5665. The centralized facsimile number is **(703) 872-9306**. The changes are effective October 1, 2003.



John m Cooney  
Primary Examiner  
Art Unit 1711